

LISTING OF THE CLAIMS:

1. (Currently Amended) A mechano-electrical fuse for a hand grenade (76), comprising a spring element for the storage of mechanical energy, and a drive device connected to the spring element for driving an electrical generator (28) ~~by means of the~~ through mechanical energy which is stored in the spring element, wherein the generator (28) is connected together with a detonator (46) for the activation thereof, with which a booster charge (48) is associated, wherein a barrier (40) is being provided between the detonator (46) and the booster charge (48), wherein

~~characterised in that~~

the spring element ~~is formed by the~~ comprises a tensioning spring (24) operatively associated with ~~the~~ a handle lever (18) of the hand grenade (76), ~~and the drive device has~~ includes a cable line (68) which is fixed with its one end thereof (70) to ~~the~~ a shaft (30) of the generator (28) and is wound with a number of turns (72) around the generator shaft (30) and ~~which is~~ mounted with its a second end (74) thereof remote therefrom to the lever (18), ~~wherein fixed and~~ fastened to the generator shaft (30) is a flywheel mass (32) which is ~~fixed~~ releasably fastened in ~~the fuse~~ a housing (16) of the fuse by ~~means of~~ a shearing element (92).

2. (Currently Amended) A mechano-electrical fuse according to claim 1 ~~characterised in that~~ wherein the electrical generator (28) is connected ~~together with~~ to the detonator (46) by ~~way of~~ through an electronic time delay circuit (56).

3. (Currently Amended) A mechano-electrical fuse according to claim 2 ~~characterised in that~~ wherein the time delay of the time delay circuit (56) is adjustable ~~in a given~~ within a specialized time window.

4. (Currently Amended) A mechano-electrical fuse according to claim 2 ~~or claim 3 characterised in that~~ wherein the time delay circuit (56) is ~~provided~~ arranged on a circuit body (52) which is provided with a compartment (50) in which the detonator (46) is immovably arranged.

5. (Currently Amended) A mechano-electrical fuse according to claim 4 ~~characterised in that~~ wherein the time delay circuit (56) is ~~provided~~ located on two circuit boards (60, 62), and the circuit body (52) has a frame (54) on which the two circuit boards (60, 62) are mounted facing away from each other and being spaced from each other.

6. (Currently Amended) A mechano-electrical fuse according to ~~one of claims 1 to 5 characterised in that~~ claim 5 wherein the generator shaft (30) is connected by ~~means of~~ a step-down transmission (34) to a barrier displacement shaft (36), the barrier (40) being fixed to ~~the~~ an end (38) of the barrier displacement shaft[,], which is remote from the step-down transmission (34).

7. (Currently Amended) A mechano-electrical fuse according to claim 6 ~~characterised in that~~ wherein the barrier displacement shaft (36) extends through the circuit body (52) and the detonator compartment (50) between the two circuit boards (60, 62).

8. (Currently Amended) A mechano-electrical fuse according to claim 6 ~~characterised in that~~ wherein the barrier (40) has at least one barrier disc from which the barrier displacement shaft (36) centrally projects, and which barrier disc has an eccentrically ~~provided~~ located through hole which in the armed position of the hand grenade (76) is aligned with the detonator (46).

9. (Currently Amended) A mechano-electrical fuse according to claim 8 ~~characterised in that~~ wherein the barrier (40) has two barrier layers (42 and 44) of conforming configuration and of differing thicknesses.

10 (Currently Amended) A mechano-electrical fuse according to claim 9 ~~characterised in that~~ wherein the barrier disc layer (42) facing towards the detonator (46) is of a greater wall thickness than the barrier disc layer (44) ~~remote~~ which is distant from the detonator (46).